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RETURN RECEIPT REQUESTED

November 17, 2011

Mr. William Tong
United States Environmental Protection Agency
77 West Jackson Blvd (WU-16J)
Chicago, Illinois 60604-3590
ATTN: UIC Branch, Direct Implementation

Re: UIC Permits IN-091-11-0001 and IN-091-11-0002

Dear Mr. Tong:

The following Monthly Report for October 2011 is being submitted in compliance with the referenced Permits Part II(D)(1)(a) thru (f).

The reporting data are as follows:

- (a) The analysis of the injection fluid for the month is submitted as Attachment I. Samples and measurements taken for monitoring conform to the requirements of Part I (E) (10) and Part II (C) (3) of the Permits.
- (b) A tabulation of maximum injection pressure, daily maximum and minimum annulus tank levels, and minimum differential between simultaneous measurements of injection pressure and annulus pressure for each day of the month for Well #1 and Well #2 are shown in Attachments II and III respectively.
- (c) Daily maximum injection pressure and daily average flow rate are shown for Well #1 and Well #2 in Attachment IV. Daily maximum and minimum annulus tank levels for Well #1 and Well #2 are shown in Attachment V.
- (d) A statement of the total volumes of the fluid injected to date, in the current calendar year, and the current month:

Cumulative volume injected

Well #1	1,641,207,595	Gallons
Well #2	1,582,354,489	Gallons

Volume injected year-to-date

Well #1	60,984,974	Gallons
Well #2	29,657,689	Gallons

Volume injected this month

Well #1	9,113,616	Gallons
Well #2	-	Gallons

- (e) A tabulation of the dates and amounts of water added to or removed from the annulus systems during the month, and the cumulative additions and cumulative subtractions for the current month and each of the past 13 months are included in Attachment VI for Well #1 and Well #2.
- (f) Injection operating summary of compliance, alarms and scheduled maintenance is listed below.



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NOV 23 2011

UIC BRANCH
EPA, REGION 5

Well #1: The following non-compliance event(s) occurred:

None occurred.

Well #1: The following alarm shutdown(s) and scheduled maintenance occurred:

None occurred.

Well #2: The following non-compliance event(s) occurred:

None occurred.

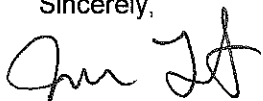
Well #2: The following alarm shutdown(s) and scheduled maintenance occurred:

1. The North well remained shut in throughout the month since initial shut in on July 23.

Please note that any events in section (f) above are referenced in the notes in Attachments II and III.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Please contact me at Criterion as necessary with any questions regarding this data or report.

Sincerely,



Jesse Trent
HSSE Advisor
Criterion Catalysts & Technologies L.P.



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2215 SOUTH MAIN
SOUTH BEND, IN 46613
(574) 287-3397, (574) 287-2427 fax

NOV 23 2011

WEEKLY DEEPPWELL ANALYSIS MONTH-END SUMMARY

UIC BRANCH EPA, REGION 5

Client: Criterion Catalyst
1800 East US HWY 12
Michigan City, IN 46360

Attn: Mr. Peter Olesen

WEEK ENDING	UNITS	10/3/2011	10/10/2011	10/17/2011	10/24/2011	10/31/2011	AVERAGE	METHOD
pH @ 25.7 C	s.u.	7.26	7.23	7.43	7.25	7.36	7.31	150.1
Specific Gravity	g/mL	1.044	1.046	1.042	1.045	1.038	1.043	ASTM
Total Dissolved Solids	mg/L	49,363	52,178	45,700	53,139	41,790	48,434	160.1
Total Suspended Solids	mg/L	1.8	2.4	2.0	2.6	0.8	1.92	160.2
Sodium Oxide (Na2O)	mg/L	19,305	17,523	14,715	16,740	14,580	16,573	200.7
Aluminum Oxide (Al2O3)	mg/L	0.64	0.34	0.53	0.26	0.47	0.45	200.7
Silica (SiO2)	mg/L	0.39	0.46	0.39	0.61	0.28	0.43	200.7
Sulfate (SO4)	mg/L	40,387	45,500	39,762	42,024	28,750	39,285	A1000

All tests are run at ambient temperature.

Methods may be referenced to U.S. E.P.A. Methods for the Chemical Analysis of Water and Wastes, and Standard Methods for the Examination of Water and Wastewater.

Approved by: *Michael Stoltz* Date: 11/11/11

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ATTACHMENT II
DEEPPWELL MONTHLY REPORT DATA - Part II(D)(1)(b)

WELL #1
October, 2011

UIC BRANCH

NOV 23 2011

Date	Flow Rate (gpm)			Injection Pressure (psig)			Annulus Pressure (psig)			Annulus Level (%)			Total Flow	Min. Tube/Annulus Differential Pressure	Temp.	Note
	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Injected			
1-Oct	233	248	27	709	739	80	1,007	1,017	947	77	77	74	335,742		261	118
2-Oct	214	237	27	715	740	211	1,017	1,052	973	77	79	76	307,715		252	119
3-Oct	176	236	131	614	736	521	979	1,024	913	76	78	73	253,060		229	118
4-Oct	223	237	218	709	733	696	1,029	1,048	1,007	78	79	77	321,697		282	121
5-Oct	230	259	27	695	741	62	1,012	1,045	931	78	79	75	330,869		267	119
6-Oct	229	246	27	717	749	123	1,052	1,076	991	79	80	77	329,480		289	122
7-Oct	212	233	139	721	738	558	1,056	1,073	1,037	79	80	79	305,942		312	122
8-Oct	222	242	27	701	747	109	1,038	1,086	926	79	80	75	319,630		228	121
9-Oct	212	235	133	689	731	521	1,052	1,082	1,018	80	80	79	305,463		299	122
10-Oct	207	259	27	637	746	59	1,021	1,057	942	79	80	76	297,577		271	121
11-Oct	202	233	27	631	705	44	1,017	1,057	934	79	80	76	290,887		324	121
12-Oct	150	242	27	452	683	11	916	1,022	789	75	80	69	215,289		214	116
13-Oct	188	244	147	610	703	532	920	1,016	846	76	80	73	270,404		196	115
14-Oct	217	247	27	661	717	53	883	897	819	75	76	72	311,870		170	113
15-Oct	156	235	27	499	699	30	925	1,020	826	74	78	70	223,951		198	115
16-Oct	227	258	134	678	743	506	1,014	1,038	969	78	79	76	326,561		288	120
17-Oct	246	253	224	745	759	732	1,010	1,032	989	79	79	78	354,674		238	120
18-Oct	196	232	27	636	744	40	955	1,004	887	77	79	74	282,397		199	118
19-Oct	201	241	131	665	733	534	944	994	901	77	79	76	288,740		169	117
20-Oct	213	232	171	705	727	638	943	955	906	78	78	76	306,699		199	118
21-Oct	215	230	195	710	722	684	955	970	940	79	83	78	309,799		219	119
22-Oct	215	228	164	708	725	645	992	1,019	947	79	79	78	309,651		232	120
23-Oct	209	220	189	703	719	679	1,018	1,033	1,006	78	79	78	301,582		305	120
24-Oct	209	224	134	708	731	575	1,028	1,041	1,014	78	79	78	301,099		297	120
25-Oct	112	138	27	486	614	67	895	1,014	717	72	78	62	161,212		154	110
26-Oct	124	239	27	429	684	50	862	1,104	724	63	70	58	178,831		166	104
27-Oct	232	236	228	722	782	683	1,101	1,147	1,044	71	73	70	334,595		266	115
28-Oct	232	257	27	744	797	150	1,059	1,100	990	72	74	70	333,526		255	115
29-Oct	195	224	27	662	719	56	1,037	1,068	950	72	73	68	280,545		315	114
30-Oct	220	235	27	677	704	201	980	1,065	932	70	73	68	317,037		263	109
31-Oct	213	235	133	695	725	595	1,043	1,080	1,010	73	74	71	307,091		313	115
Summary	204	259	27	659	797	11	992	1,147	717	76	83	58	9,113,616		154	117

ATTACHMENT IV
DEEPWELL MONTHLY REPORT DATA Part II(D)(1)(c)
 October, 2011

